

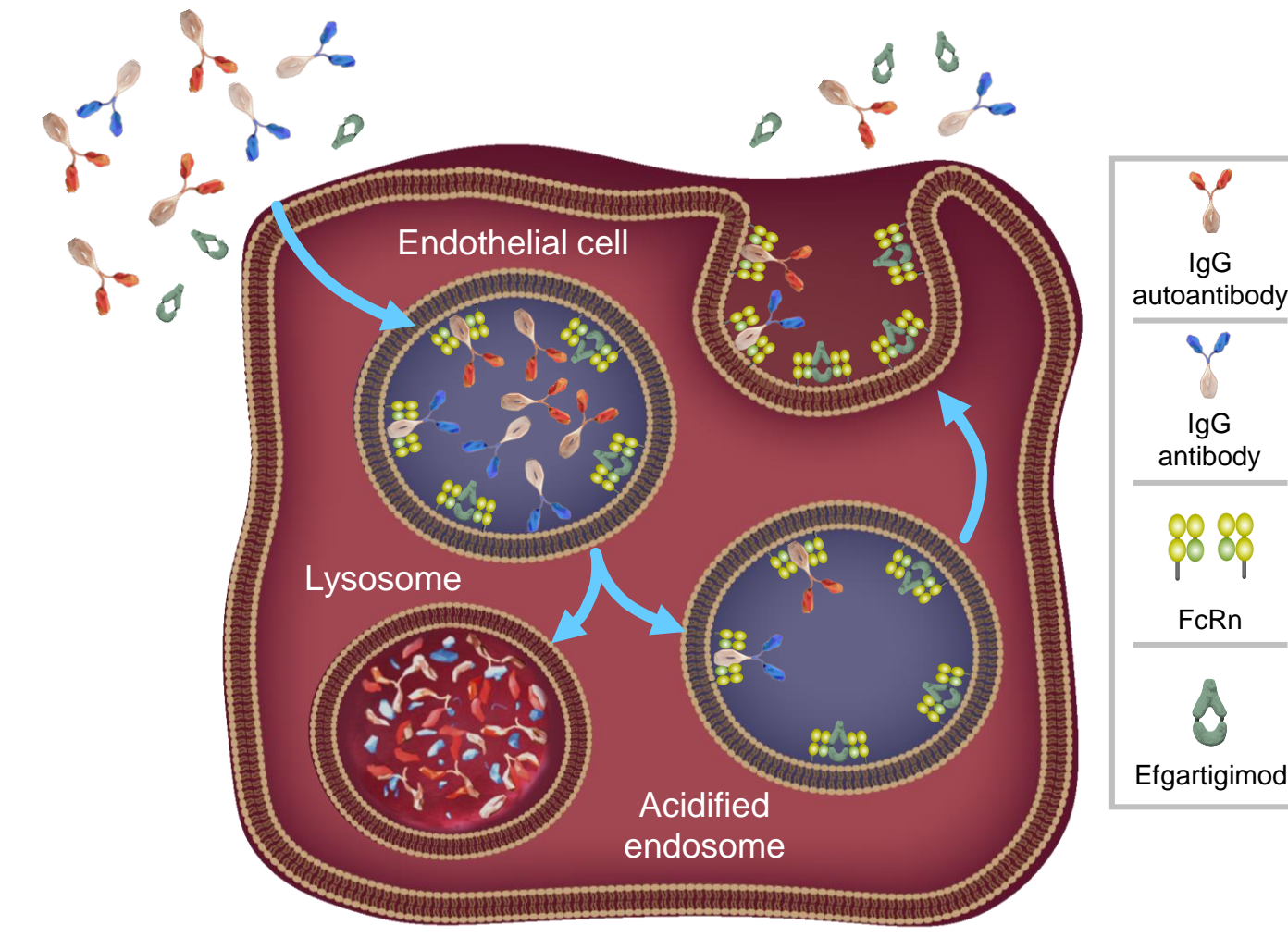
Long-Term Safety, Tolerability, and Efficacy of Subcutaneous Efgartigimod PH20 in Participants With Generalized Myasthenia Gravis: Interim Results of the ADAPT-SC+ Study



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INTRODUCTION

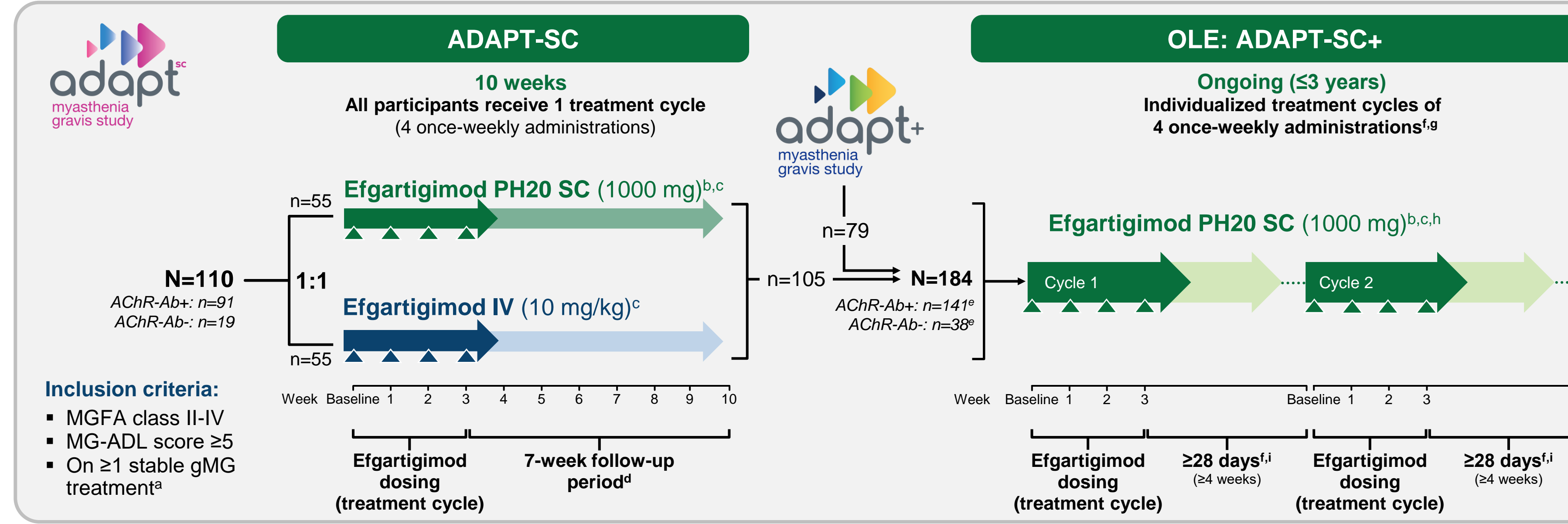
Efgartigimod Mechanism of Action: Blocking FcRn



- FcRn recycles IgG to extend its half-life and maintain its high serum concentration¹
- Efgartigimod is a human IgG1 Fc fragment, a natural ligand of FcRn, engineered to have increased affinity for FcRn and outcompete endogenous IgG^{2,3}
- Efgartigimod binding to FcRn prevents IgG recycling and promotes its lysosomal degradation, thus reducing IgG levels without directly impacting IgG production²⁻⁵
 - Targeted reduction of all IgG subtypes^{2,4}
 - No impact on IgM, IgA, IgE, or IgD^{2,5}
 - No reduction in albumin or increase in cholesterol levels^{4,6}
- Efgartigimod PH20 SC is a coformulation of efgartigimod and recombinant human hyaluronidase PH20 (rHuPH20), which allows for rapid SC administration of larger volumes^{7,8}
- PK/PD modeling and phase 3 data (ADAPT-SC) suggest 4 once-weekly administrations of 1000 mg efgartigimod PH20 SC and 10 mg/kg efgartigimod IV result in comparable decreases in IgG levels⁷

RESULTS

METHODS



^aAChEIs, steroids, and/or NSISTs. ^bCoformulated with 2000 U/mL rHuPH20. ^cArrows indicate efgartigimod administration. ^dParticipants could not receive treatment in the 7-week follow-up period. ^eAChR-Ab status is reported only for the population who received at least one dose of efgartigimod PH20 SC (n=179). ^f>=28 days between the last dose of the previous treatment period and the first dose of the next treatment period and based on the need for treatment as determined by the investigator. ^gParticipants who are not in need of treatment at study entry will instead start with an intertreatment period. ^hParticipants were not required to have worsening of MG-ADL to be eligible for subsequent cycles. ⁱDuring the second year onward, it is recommended to have >=28 days between treatment cycles. However, a subsequent treatment period can be administered earlier based on clinical evaluation at the discretion of the investigator.

SUMMARY

- Efgartigimod PH20 SC was well tolerated, with no new safety signals observed compared with ADAPT-SC
- All ISRs were mild or moderate and decreased with subsequent cycles, and no ISRs led to treatment discontinuation
- Efgartigimod PH20 SC treatment resulted in consistent and repeatable improvements in MG-ADL, MG-QoL15r, and EQ-5Q-5L VAS total scores over multiple cycles in AChR-Ab+ participants, with improvements noted as early as the week after the first administration
- The majority of AChR-Ab+ participants experienced a CMI in MG-ADL, and a subset were able to achieve MSE; the proportions of participants achieving CMI or MSE were consistent across multiple cycles
- The ADAPT-SC+ study is currently ongoing

Table 1. Participant Demographics and Baseline Characteristics

	Efgartigimod PH20 SC Overall (n=179)	Efgartigimod PH20 SC AChR-Ab+ (n=141)
Age, y, mean (SD)	50.7 (15.5)	51.0 (15.9)
Sex, female, n (%)	119 (66.5)	90 (63.8)
Weight, kg, median (Q1-Q3)	76.9 (64.0-89.8)	77.0 (63.0-92.0)
AChR-Ab+, n (%)	141 (78.8)	141 (100)
Total MG-ADL score, mean (SD)	7.9 (3.4)	7.6 (3.4)
Total MG-QoL15r score, mean (SD)	13.6 (6.9)	13.1 (6.8)
EQ-5D-5L VAS, mean (SD)	59.5 (18.6)	61.0 (18.6)
MG therapy during the first year, n (%)		
Any steroid	128 (71.5)	103 (73.0)
Any NSIST	89 (49.7)	67 (47.5)
Any AChEI	150 (83.8)	122 (86.5)
Steroid + NSIST	69 (38.5)	53 (37.6)
AChEI only	29 (16.2)	23 (16.3)

- 184 participants rolled over from ADAPT-SC (n=105) and ADAPT+ (n=79)
- 179 participants (141 AChR-Ab+ and 38 AChR-Ab-) received >=1 dose of efgartigimod PH20 SC in ADAPT-SC+ through December 2022, with a mean (SD), median, and maximum study duration for all participants of 412.9 (104.52), 451, and 585 days, respectively

ABBREVIATIONS
 AChEI, acetylcholinesterase inhibitor; AChR-Ab+, acetylcholine receptor antibody seropositive; AE, adverse event; CMI, clinically meaningful improvement; EQ-5D-5L VAS, EuroQol 5-Dimension, 5-Level Visual Analog Scale; Fc, fragment crystallizable region; FcRn, neonatal Fc receptor; gMG, generalized myasthenia gravis; Ig, immunoglobulin; IR, incidence rate (or event rate) per participant years of follow-up; ISR, injection site reaction; IV, intravenous; MG, Myasthenia Gravis; MG-ADL, Myasthenia Gravis Activities of Daily Living; MGFA, Myasthenia Gravis Foundation of America; MG-QoL15r, Myasthenia Gravis Quality of Life 15-Item Questionnaire, Revised; MSE, minimal symptom expression; NSIST, nonsteroidal immunosuppressive therapy; OLE, open-label extension; PD, pharmacodynamic; PK, pharmacokinetic; PYFU, participant years of follow-up (sum of follow-up time of all participants expressed in years in the applicable period); rHuPH20, recombinant human hyaluronidase PH20; SAE, serious adverse event; SC, subcutaneous; SE, standard error.

ACKNOWLEDGMENTS AND DISCLOSURES: The authors gratefully acknowledge the ADAPT+, ADAPT-SC, and ADAPT-SC+ trial participants and investigators. YL: argenx, UCB, Alexion, Catalist, and Immunovant. JFH: Alexion AstraZeneca Rare Disease, argenx, CVR, Centers for Disease Control and Prevention, MGFA, Muscular Dystrophy Association, NIH, PCORI, Ra Pharmaceuticals/UCB Bioscience, Takeda, AcademCME, Biologix, F. Hoffmann-Laroché, Horizon, Medscape, Merck EMB Serono, NMD Pharma, Novartis, PeerView, PlatformQ, Regeneron, Sanofi, Zai Labs, and Toleranzia AB. TV: Alexion, argenx, CSL Behring, Allergan/AbbVie, AstraZeneca, UCB, Horizon/Viela Bio, Regeneron, Janssen/Momenta, Immunovant, Cartesian, and Sanofi. DK: Roche, Novartis, Sanofi, Merck, Janssen, Novartis, UCB, argenx, Horizon, Bristol Myers Squibb, and BIOCAD. MS: no disclosures to report. LL, SS, JN, and JP: argenx. KU: argenx, UCB, Janssen, Chugai Pharma, Merck, Mitsubishi Tanabe, Alexion, and the Japan Blood Products Organization. FS: Alexion, Biogen, Mylan, Novartis, Roche, Sanofi, Teva, Almirall, argenx, Avexis, Forward, Lexeo, Merck, Pomona, Takeda, and Prilenia. JLDB: argenx, Alexion, CSL, UCB, Alnylam, and Sanofi Genzyme. RM: Alexion, argenx, Ra, BioMarin, Catalist, UCB, Teva, Merck, Roche, and Biogen. The ADAPT+, ADAPT-SC, and ADAPT-SC+ trials were funded by argenx. Medical writing and editorial support for this presentation was provided by PRECISION Value & Health and funded by argenx.

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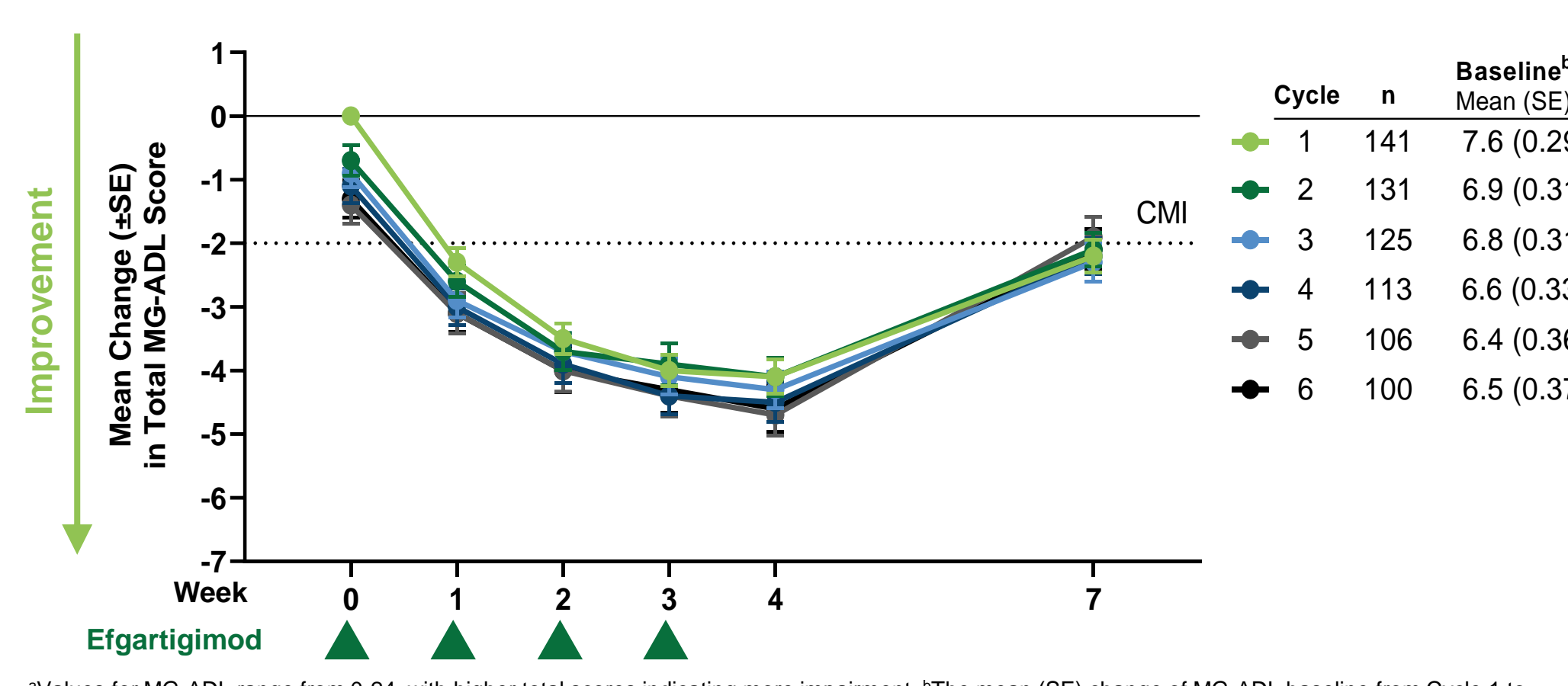
Table 2. Summary of AEs Overall Population

	Efgartigimod PH20 SC (n=179; PYFU=193.4)
Any AE, n (%)	9.0 (152 (84.9))
Any AE grade >=3, n (%)	0.4 (36 (20.1))
Any SAE, n (%)	0.3 (33 (18.4))
Any ISR, n (%)	3.2 (82 (45.8))
Any infection, n (%)	1.0 (91 (50.8))
Fatal event ^b	<0.1 (4 (2.2))
Discontinued study treatment owing to AEs ^c , n (%)	<0.1 (4 (2.2))
Most commonly observed AEs ^d , n (%)	
Injection site erythema	1.7 (52 (29.1))
COVID-19	0.2 (40 (22.3))
Headache	0.6 (36 (20.1))
Nasopharyngitis	0.2 (28 (15.6))
Diarrhea	0.2 (24 (13.4))
Injection site pain	0.2 (21 (11.7))
Injection site pruritus	0.2 (19 (10.6))
Injection site bruising	0.2 (18 (10.1))

^aIR was calculated as number of events per total PYFU. ^bFatal events (metastatic renal cell cancer, cardiac arrest, pulmonary mass, and COVID-19/respiratory failure) were not related to efgartigimod PH20 SC treatment, as determined by investigators. ^cTreatment discontinuation due to metastatic renal cell cancer (Cycle 1, death), cardiac arrest (Cycle 2, death), COVID-19/respiratory failure (Cycle 3, death), and MG crisis (Cycle 1). ^dMost frequent AEs occurring in >10% of participants receiving efgartigimod PH20 SC.

- Participants experiencing ISR events decreased over subsequent cycles; from 34.6% (n=62/179) in Cycle 1 to 11.5% (n=14/122) in Cycle 6
- No ISRs were grade >=3, serious, or resulted in treatment discontinuation

Figure 1. Mean Change in MG-ADL From Study Baseline^a AChR-Ab+ Population



^aValues for MG-ADL range from 0-24, with higher total scores indicating more impairment. ^bThe mean (SE) change of MG-ADL baseline from Cycle 1 to Cycle 6 was -1.3 (0.29).

Figure 2. Minimal Symptom Expression and Clinically Meaningful Improvement in MG-ADL by Cycle AChR-Ab+ Population

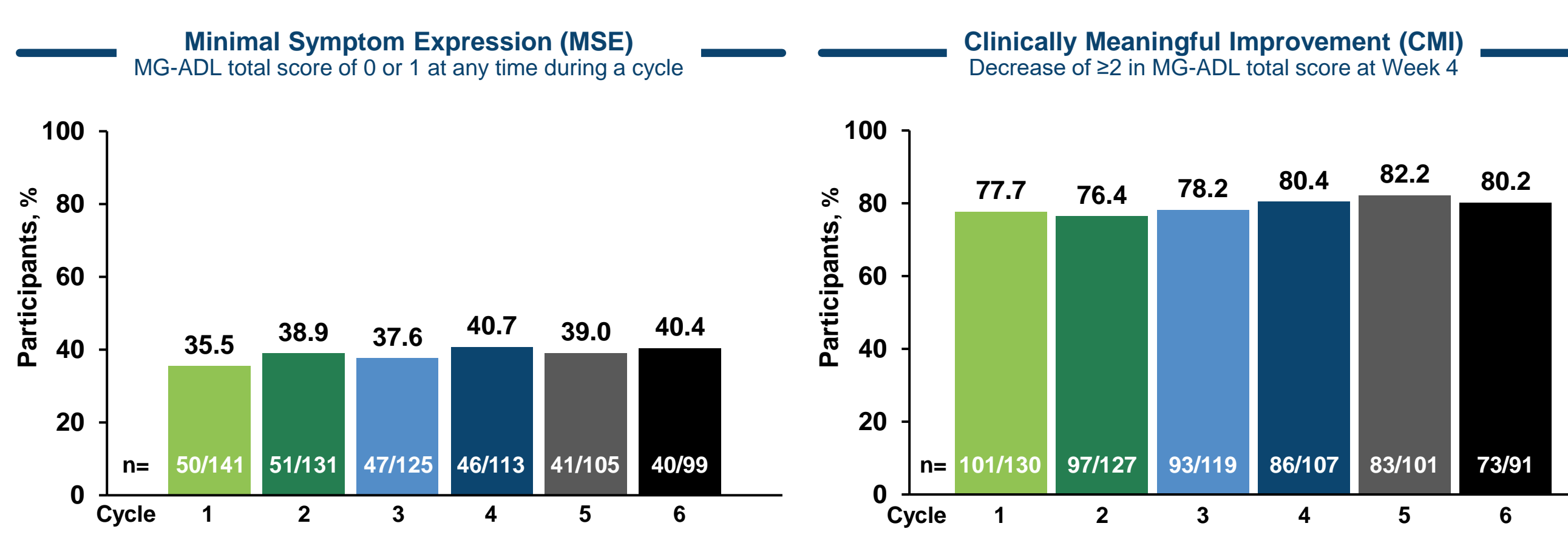
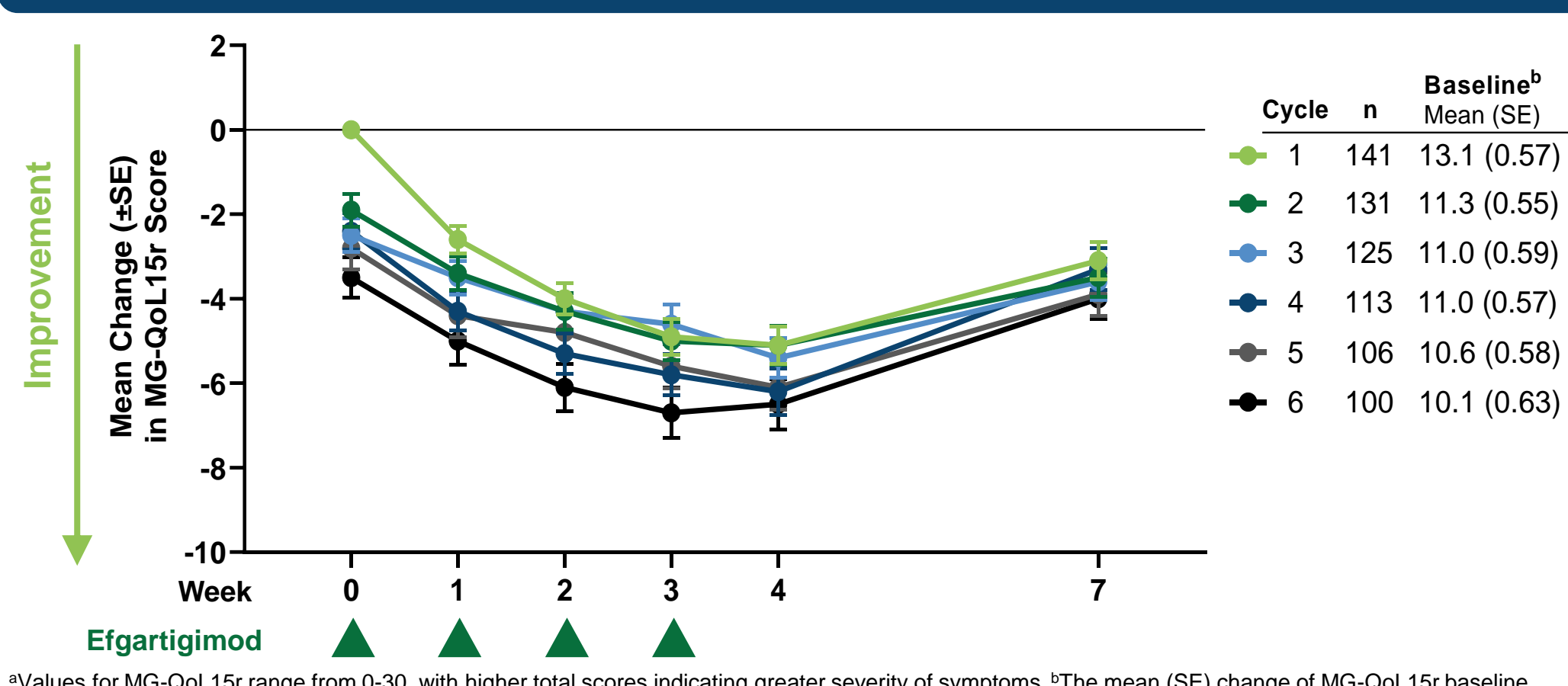
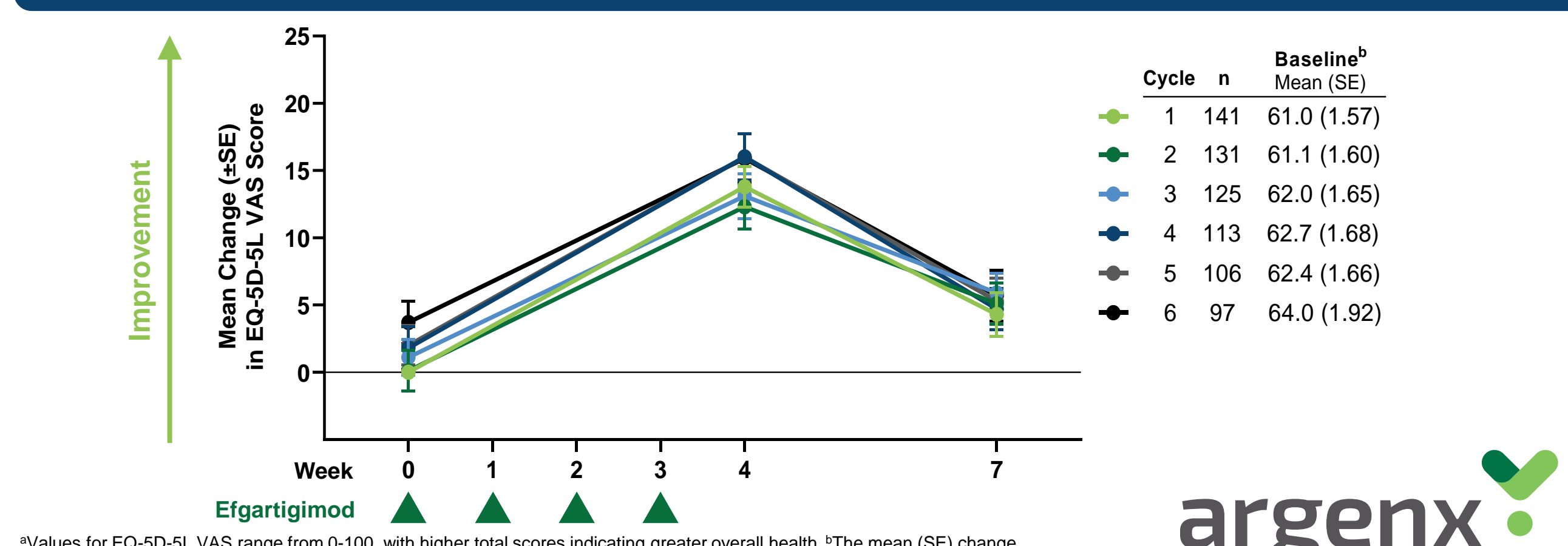


Figure 3. Mean Change in MG-QoL15r From Study Baseline^a AChR-Ab+ Population



^aValues for MG-QoL15r range from 0-30, with higher total scores indicating greater severity of symptoms. ^bThe mean (SE) change of MG-QoL15r baseline from Cycle 1 to Cycle 6 was -3.5 (0.48).

Figure 4. Mean Change in EQ-5D-5L VAS From Study Baseline^a AChR-Ab+ Population



^aValues for EQ-5D-5L VAS range from 0-100, with higher total scores indicating greater overall health. ^bThe mean (SE) change of EQ-5D-5L VAS baseline from Cycle 1 to Cycle 6 was 3.7 (1.60).

